

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend the claims as follows:

1 – 125 (Canceled)

126. (Currently Amended) A computer-implemented method comprising:

receiving, through a network, a form authored by a form authoring tool and
containing one or more input fields;

parsing, independently of the form authoring tool, the received form to
identify the input fields contained in the received form;

providing, independently of the form authoring tool, a graphical user interface
dependent upon the identified input fields to allow identification-enable
configuration of one or more actions to be carried out in response to a subsequent
specific submission of the form by a third party, the submission including data input
into the input fields by the third party, wherein the one or more actions are selected
from a group of two or more types of actions to be associated with the identified
input fields upon subsequent specific submission of a specific instance of the form by
a third party, the provided graphical user interface being dependent on the identified
input fields;

automatically generating, independently of the form authoring tool, program
code to carry out the one or more actions associated with the identified input fields,

wherein the program code is external to the form and independent of the form
authoring tool;

receiving ~~[[a]]~~ the specific submission of the form from ~~[[a]]~~ the third party,
~~including data added by the third party into the input fields~~; and

executing the program code ~~on the received data from the~~ in response to
receipt of the specific submission of the form from the third party to carry out the
one or more actions ~~associated with the identified input fields~~.

127. (Previously Presented) The method of claim 126, wherein the form is written in
Hyper Text Markup Language (HTML).

128. (Previously Presented) The method of claim 126, wherein the generated
program code is a Common Gateway Interface (CGI) program.

129. (Currently Amended) The method of claim 126, further comprising ~~associating~~
~~the generated program code with~~ modifying the form such that the specific
submission is directed to the generated program code.

130. (Canceled)

131. (Previously Presented) The method of claim 126, further comprising:

automatically determining whether the generated program code is consistent
with the form; and

generating an alert if the generated program code is not consistent with the form.

132. (Currently Amended) A server comprising:

a communications device connected to a network to receive a form from a client coupled to the network, the form authored by a form authoring tool and containing one or more input fields;

a memory coupled to the communications device to store the received form;
and

a processor coupled to the memory, wherein the memory stores instructions that, when executed by the processor, provide independently of the form authoring tool, the functionality of

a parser to parse the received form to identify the input fields contained in the received form;

~~a configuration~~ graphical user interface generator to create a graphical user interface based on the input fields identified by the parser module, and to provide the graphical user interface using the communications device to ~~allow~~ enable the identification configuration of one or more actions from a group of two or more types of actions, the one or more actions to be ~~associated with the identified input fields to be carried out~~ upon subsequent submission of a specific instance of the form by a third party, wherein the specific submission of the form from the third party includes data added by

the third party into the input fields and wherein the actions are dependent upon the identified input fields;

a code generator to automatically generate program code to carry out the one or more actions identified, wherein the program code is external to the form; and

a controller to execute the program code on received data from [[a]] ~~the specific submission of the form from a third party to carry out the actions associated with the identified input fields, wherein the specific submission of the form from the third party includes data added by the third party into the input fields.~~

133. (Previously Presented) The server of claim 132, further comprising a processor, wherein the parser module, the configurer module, and the code generator module are all implemented using the processor.

134. (Previously Presented) The server of claim 132, wherein the form is written in Hyper Text Markup Language (HTML).

135. (Previously Presented) The server of claim 132, wherein the generated program code is a Common Gateway Interface (CGI) program.

136. (Previously Presented) The server of claim 132, further comprising a consistency module to automatically determine whether the generated program code is

consistent with the form, wherein the consistency module generates an alert if the program code is not consistent with the form.

137. (Currently Amended) A machine-readable storage medium containing data representing instructions that, when executed by a processor, cause the processor to perform operations comprising:

receiving, through a network, a form authored by a form authoring tool and containing one or more input fields;

parsing, independently of the form authoring tool, the received form to identify the input fields contained in the received form;

providing, independently of the form authoring tool, a graphical user interface dependent upon the identified input fields to allow identification enable configuration of one or more actions to be carried out in response to a subsequent specific submission of the form by a third party, the submission including data input into the input fields by the third party, wherein the one or more actions are selected from a group of two or more types of actions, and the actions are to be associated with the identified input fields upon subsequent specific submission of a specific instance of the form by a third party, the provided graphical user interface being dependent on the identified input fields;

automatically generating, independently of the form authoring tool, program code to carry out the one or more actions ~~associated with the identified input fields~~, wherein the program code is external to the form and independent of the form authoring tool;

receiving ~~[[a]]~~ the specific submission of the form from ~~[[a]]~~ the third party,
~~including data added by the third party into the input fields; and~~
executing the program code ~~on the received data from the~~ in response to
receipt of the specific submission of the form from the third party to carry out the
one or more actions ~~associated with the identified input fields.~~

138. (Previously Presented) The machine-readable medium of claim 137, wherein the form is written in Hyper Text Markup Language (HTML).

139. (Previously Presented) The machine-readable medium of claim 137, wherein the generated program code is a Common Gateway Interface (CGI) program.

140. (Previously Presented) The machine-readable medium of claim 137, wherein the instructions further cause the processor to perform operations comprising associating the generated program code with the form.

141. (Canceled)

142. (Previously Presented) The machine-readable medium of claim 137, wherein the instructions further cause the processor perform operations comprising
automatically determining whether the generated program code is consistent with the form; and

generating an alert if the generated program code is not consistent with the form.

143. (Canceled)

144. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include validating that submission data is consistent with constraints for one or more form elements included in the form input fields as configured in the graphical user interface.

145. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include generating one or more quantities computed from data in the specific submission ~~based upon submitted values with respect to one or more form elements contained in the received specific instance of the form.~~

146. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include generating one or more licenses in response to the specific submission ~~of the specific instance of the form.~~

147. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include generating one or more cookies for each user who submits a specific submission ~~instance of the form for processing.~~

148. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include emailing the one or more elements of data from the specific submission contents of the specific instance of the form to one or more configured email addresses specified in response to the submission of a specific instance of the form.

149. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include sending an email message to a user ~~who~~ to an email address that is contained in the specific submission submits a specific instance of the form, and including in the email message one or more strings of fixed text, and one or more strings that is dependent on the submission data.

150. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include generating one or more ~~responses~~ response pages to the third party upon receipt of the specific instance submission of the form, wherein the selection of the response page depends on the value of submission data provided by the third party in one or more of the form's input fields and wherein the response page contains one or more strings of fixed text and one more strings that is dependent on the submission data.

151. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises:~~ include preserving a state of data

submitted in one or more fields in the specific instance submission of the form--,--
and passing the state of the data one or more fields in the form to a second ~~specific~~
~~instance of the form~~, wherein the second form has one or more fields in common
with the first form, and presenting the second form to the third party in response to
the submission of the first form.

152. (Currently Amended) The method of claim 126 wherein the actions to be performed by the program code ~~comprises~~: include logging values for one or more ~~form elements~~ data values submitted ~~included~~ in the specific ~~instance~~ submission of the form.

153. (Previously Presented) The method of claim 152 wherein the values are stored in a database.

154. (Previously Presented) The method of claim 153 wherein the values in each submission are stored in a single row of a table, different submissions corresponding to different rows of the table.

155-167. (Canceled)